```
TTTTTTTTTTTTTTTT    RRRRRRRRRRRR        AAAAAAAAA       CCCCCCCCCCCC    EEEEEEEEEEEEEEEE
TTTTTTTTTTTTTTTT    RRRRRRRRRRRR        AAAAAAAAA       CCCCCCCCCCCC    EEEEEEEEEEEEEEEE
TTTTTTTTTTTTTTTT    RRRRRRRRRRRR        AAAAAAAAA       CCCCCCCCCCCC    EEEEEEEEEEEEEEEE
       TTT          RRR      RRR     AAA       AAA     CCC             EEE
       TTT          RRR      RRR     AAA       AAA     CCC             EEE
       TTT          RRR      RRR     AAA       AAA     CCC             EEE
       TTT          RRR      RRR     AAA       AAA     CCC             EEE
       TTT          RRR      RRR     AAA       AAA     CCC             EEE
       TTT          RRR      RRR     AAA       AAA     CCC             EEE
       TTT          RRRRRRRRRRRR     AAA       AAA     CCC             EEEEEEEEEEEE
       TTT          RRRRRRRRRRRR     AAA       AAA     CCC             EEEEEEEEEEEE
       TTT          RRRRRRRRRRRR     AAA       AAA     CCC             EEEEEEEEEEEE
       TTT          RRR   RRR        AAAAAAAAAAAAAAA   CCC             EEE
       TTT          RRR    RRR       AAAAAAAAAAAAAAA   CCC             EEE
       TTT          RRR     RRR      AAAAAAAAAAAAAAA   CCC             EEE
       TTT          RRR      RRR     AAA       AAA     CCC             EEE
       TTT          RRR       RRR    AAA       AAA     CCC             EEE
       TTT          RRR       RRR    AAA       AAA     CCC             EEE
       TTT          RRR        RRR   AAA       AAA     CCCCCCCCCCCC    EEEEEEEEEEEEEEEE
       TTT          RRR        RRR   AAA       AAA     CCCCCCCCCCCC    EEEEEEEEEEEEEEEE
       TTT          RRR        RRR   AAA       AAA     CCCCCCCCCCCC    EEEEEEEEEEEEEEEE
```

TRACEMSG....

MDL

```
; Version:        'V04-000'

;***************************************************************************
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;***************************************************************************

        $STRUCT TBK


; DEBUG definitions that describe the context of the user's run frame.
;
        F          NEXT_LINK,L
        F          USER_REGS,L,17
        S          USER_R0,,L
        S          USER_R1,,L
        S          USER_R2,,L
        S          USER_R3,,L
        S          USER_R4,,L
        S          USER_R5,,L
        S          USER_R6,,L
        S          USER_R7,,L
        S          USER_R8,,L
        S          USER_R9,,L
        S          USER_R10,,L
        S          USER_R11,,L
        S          USER_AP,,L
        S          USER_FP,,L
        S          USER_SP,,L
        S          USER_PC,,L
        S          USER_OPC0,60,B
        S          .61,B,3
        S          USER_PSL,,L
        V < M
                   4
                   TBIT
          >
```

```
        F       RUN_STAT,W
        V < M
                AT_BREAK,1
                STAR_PROG,1
                TRACE_ALL,1
                STEPPING,1
                AT_TRACE,1
                ENAB_AST,1
                IN_A_BPT,1
                TBIT_OK,1
                IN_A_WPT,1
                REAL_WPT,1
            >
        F       BPT_PC,L
        F       FRAME_PTR,L
        F       CALL_ADDR,L
        F       WATCRPT
        F       WATCHPTEN
        F       PREV_PRO1,B
        F       PREV_PRO2,B
        L       RUNFR_LEN

        K<
                MODE
                TRACE
                BREAK
                SET_BREAK
                LANGUAGE
                CANCEL
                EXAMINE
                OVERRIDE
                SET_TRALL
                ALL
                SET_RESIG
                SET_SCOPE
                MODULE
                TRACEBACK
                WATCH
                READ
        >

        K       STELMSIZE, 2
        K<,,0,2
                SPOS_ZERO
                SPOS_ONE
                SPOS_TWO
                SPOS_THRE
                SPOS_FOUR
                SPOS_FIVE
                SPOS_SIX
                SPOS_SEVE
                SPOS_EIGH
                SPOS_NINE
        >

;
```

```
; TRACE success message
;
; facility = 9, facility-specific bit set, error level = 1
; only error id assigned to this level is 0.
; (i.e. number 98001 hex or 622593 decimal)
;

        C< ,$_,622593,8

        NORMAL              ;
        >


; Informational messages
;
; facility = 9, facility-specific bit set, error level = 3
; error id codes from 1. thru 49. assigned to this level.
; (i.e. numbers 9800B thru 98188 hex, 622603 thru 622984 decimal)
;

        C< ,$_,622603,8

        BADDST             ;MSG <no symbols in image>
        BADDSTVBN          ;MSG FAOCNT=1,<image symbol table VBN = !UL.>
        BADEXECLO          ;MSG FAOCNT=1,<failure to close image file !AC>
        BADHDR             ;MSG <no symbol table data in image header>
        NOCALLS            ;MSG <no active call frames>
        TBKBUG             ;MSG FAOCNT=1,<please report TRACE bug no. !UL>
        >


; Warning messages
;
; facility = 9, facility-specific bit set, error level = 0
; error id codes from 50. thru 99. assigned to this level.
; (i.e. numbers 98190 thru 98318 hex, 622992 thru 623384 decimal)
;

        C< ,$_,622992,8

        BADBUG             ;MSG FAOCNT=1,<please report TRACE bug no. !UL>
        TRACEBACK          ;MSG <symbolic stack dump follows>
        STACKDUMP          ;MSG <non-symbolic stack dump follows>
        NOSPACE            ;MSG FAOCNT=1,<failure to map symbol table, EXPREG status = !XL>
        BADDSTMAP          ;MSG FAOCNT=1,<failure to map symbol table, CREMAPSEC status = !XL>
        >


; Severe error messages
;
; facility = 9, facility-specific bit set, error level = 2
; error id codes from 100. thru 149. assigned to this level.
; (i.e. numbers 98322 thru 984AA hex, 623394 thru 623786 decimal)
;

        C< ,$_,623394,8

        BADEXE             ;MSG FAOCNT=1,<failure to open image file !AC>
        BADEXERAB          ;MSG FAOCNT=1,<failure to connect image file !AC>
```

```
        INVDSTREC          ;MSG <unimplemented delta-PC command in symbol table>
        >


;  Fatal error messages
:
;  facility = 9, facility-specific bit set, error level = 4
;  error id codes from 150. and up assigned to this level.
;  (i.e. numbers 984B4 hex, 623796 decimal, and up)

        C< ,$_.623796,8

        NOIOCHAN          ;MSG <cannot piggyback I/O channel with PUTMSG>
        BADSTACK          ;MSG <stack has been overwritten>
        >

        E
```

TRACEMSG
MDL

TBKLIB
REQ

TRACE

TRACE
MAP

STRUCDEF
REQ

TBKPROLOG
REQ

STRUCDEF
LIS

TBKDST
REQ